

## Technical Soil Descriptions

Technical soil descriptions describe the characteristics or properties (physical and chemical) of the soil including the parent material in which it formed. A pedon, a small three-dimensional area of the soil, serves as the reference point for the technical or soil series description. The soil description compares the soil to similar and other nearby soils and also includes a range of important characteristics. The detailed description method follows standards outlined in the Soil Survey Manual and many of the technical terms used in the description are defined in Soil Taxonomy.

### ***Counties with Published Soil Surveys***

Technical soil descriptions are located in the county soil survey descriptive legend.

### ***Counties without Published Soil Surveys***

Technical soil descriptions can be found in adjacent county published soil survey descriptive legends or at our [Official Soil Series Description](#) web site.

*This section includes:*

- **(a) Classification of the soils**

Butler County and Part of Ripley County, Missouri  
Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
Adler-----	Coarse-silty, mixed, nonacid, thermic Aquic Udifluvents
Amagon-----	Fine-silty, mixed, active, thermic Typic Endoaqualfs
Bardley-----	Very-fine, mixed, active, mesic Typic Hapludalfs
Bosket-----	Fine-loamy, mixed, active, thermic Mollic Hapludalfs
Calhoun-----	Fine-silty, mixed, active, thermic Typic Glossaqualfs
Captina-----	TYPIC FRAGIUDULTS, FINE-SILTY, SILICEOUS, MESIC
Clarksville-----	Loamy-skeletal, siliceous, semiactive, mesic Typic Paleudults
Crowley-----	Fine, montmorillonitic, thermic Typic Albaqualfs
Doniphan-----	TYPIC PALEUDULTS, CLAYEY, MIXED, MESIC
Dubbs-----	Fine-silty, mixed, active, thermic Typic Hapludalfs
Elk-----	Fine-silty, mixed, mesic Ultic Hapludalfs
Foley-----	Fine-silty, mixed, active, thermic Albic Glossic Natraqualfs
Gasconade-----	Clayey-skeletal, mixed, superactive, mesic Lithic Hapludolls
Gatewood-----	Very-fine, mixed, active, mesic Oxyaquic Hapludalfs
Hartville-----	AQUIC HAPLUDALFS, FINE, MIXED, MESIC
Hontas-----	FLUVAQUENTIC EUTROCHREPTS, FINE-SILTY, MIXED, MESIC
Houlka-----	Fine, montmorillonitic, acid, thermic Vertic Haplaquepts
Kobel-----	Fine, smectitic, nonacid, thermic Vertic Endoaquepts
Lafe-----	Fine-silty, mixed, active, thermic Glossic Natrudalfs
Loring-----	Fine-silty, mixed, thermic Oxyaquic Fragiudalfs
Midco-----	TYPIC UDIFLUVENTS, LOAMY-SKELETAL, SILICEOUS, NONACID, MESIC
Nolin-----	DYSTRIC FLUVENTIC EUTROCHREPTS, FINE-SILTY, MIXED, MESIC
Peridge-----	TYPIC PALEUDALFS, FINE-SILTY, MIXED, MESIC
Secesh-----	ULTIC HAPLUDALFS, FINE-LOAMY, SILICEOUS, MESIC
Tuckerman-----	Fine-loamy, mixed, active, thermic Typic Endoaqualfs
Wideman-----	TYPIC UDIFLUVENTS, SANDY, SILICEOUS, MESIC
Wilderness-----	OXYAQUIC FRAGIUDALFS, LOAMY-SKELETAL, SILICEOUS, MESIC